

Patent Claims

1. Method for the transmission of data in a radio communication system,
with at least one data block (db) from a base station (BS) being transmitted to a plurality of subscriber terminals (MS) in accordance with a point-to-multipoint transmission, characterized in that
an explicit request for the signaling of information with respect to the respective reception of the data block (db) to a selected group from the plurality of receiving subscriber terminals (MS) is transmitted by the base station (BS)
and that at least one subsequent transmission of a data block (db) is initiated by the base station (BS) according to information (NACK) received from the selected group of subscriber terminals (MS).
2. Method in accordance with claim 1,
with the data block (db) being allocated to a unidirectional broadcast and/or multicast service, and being transmitted in a channel (MBMSCH) allocated to the broadcast and/or multicast service.
3. Method in accordance with a preceding claim, with the information (NACK) regarding the reception of the data block (db) being signaled to the base station (BS) in a channel (MBMSFCH) that can be commonly used by the multiplicity of subscriber terminals (MS).
4. Method in accordance with a preceding claim, with an access burst or at least a signaling burst having a number

of properties of an access burst being transmitted as information (NACK).

5. Method in accordance with a preceding claim, with the information (NACK) with respect to the reception of the data block (db) signaling an incorrectly received, or not received, data block (db).

6. Method in accordance with claim 1, with a subsequent transmission of the data block (db) being initiated at the network end depending on the service and/or parameters allocated to the service.

7. Method in accordance with a preceding claim, with the transmission of a successive data block (db) taking place in accordance with a specified time interval for reception of information (NACK) of one of the plurality of subscriber terminals (MS).

8. Method in accordance with a preceding claim, with a transmission power of the base station (BS) being controlled depending on the information (NACK) or a reception strength caused by the information at the site of the base station (BS).

9. Radio communication system with, at least one base station for transmitting a data block (db) to a multiplicity of subscriber terminals (MS) in a coverage area C of the base station (BS) in accordance with a point-to-multipoint transmission and for transmission of an explicit request for signaling information (NACK) with respect to a particular reception of the data block (db) to

a selected group of the multiplicity of subscriber terminals (MS),
and at least one device (BSC, SGSN) for evaluating the information (NACK) received from the selected group of subscriber terminals (MS) and for initiating at least one repeat transmission of the data block (db) to the multiplicity of subscriber terminals (MS) according to the result of the evaluation.

10. Radio communication system in accordance with the preceding claim,
with the device (BSC, SGSN) being a storage device (M) for holding the data block (db) for subsequent transmission to the plurality of subscriber terminals (MS).

11. Base station (BS) of a radio communication system,
having
means for sending at least one data block (db) to a plurality of subscriber terminals (MS) in a coverage area (C) of the base station (BS) in accordance with a point-to-multipoint transmission and for transmitting an explicit request for signaling information (NACK) with respect to a particular reception of the data block (db) to a selected group of the plurality of subscriber terminals (MS), and
means for receiving information (NACK) from the selected group of subscriber terminals (MS),
with the means for sending being configured for subsequent sending of the data block (db) according to the information (NACK) received from the selected group of subscriber terminals (MS).

12. Subscriber terminal (MS), having

means for receiving at least one data block (db)
transmitted from a base station of a radio communication
system according to a point-to-multipoint transmission and
an explicit request for signaling of information (NACK)
with respect to a reception of the data block (db) to a
plurality of subscriber terminals,
means for generating the information (NACK) with respect to
the reception of the data block (db) and
means for signaling the information (NACK) with respect to
the reception of the data block (db) to the base station
(BS).